superb computainment display, lead-free design

With LightFrame™ for the best-ever sharpness and brightness, high resolution UXGA performance, a big screen that displays more without scrolling and lead-free design, this 109B6 CRT monitor delivers an exciting computainment experience.

Outstanding front of screen performance
- LightFrame™ delivers best-ever sharpness and brightness
- UXGA, 1600x1200 resolution for sharper display
- Easy-on-the-eyes high-bright, high-contrast tube
- Real flat CRT for natural, distortion and glare-free display
- sRGB ensures color matching between display and printouts

Great convenience
- Compatibility with PC, Mac and workstation platforms
- Quick and easy to personalize On-Screen-Display control
- Plug and play for easy and friendly installation
- Large viewing area for seeing more images without scrolling

Green design
- Lead-free display protects your health and our environment
- The lowest power consumption than industry average
- TCO guarantees the highest safety and ergonomics standards
- Environmentally responsible Energy Star Partner
- Flame retardant case safeguards the display from fire

PHILIPS

19 inch CRT Monitor

Commercial Specifications

Picture/Display

Display Screen Type	Real Flat Picture Tube
Panel Size	19"/ 46 cm
Phosphor	P22
Recommended Display Area	355 x 265 mm (14" x 10.4")
Dot Pitch	0.25 mm
Horizontal Dot Pitch	0.21 mm
White Chromaticity, 5500º K	x = 0.332 / y = 0.347
White Chromaticity, 6500º K	x = 0.313 / y = 0.329
White Chromaticity, 9300º K	x = 0.283 / y = 0.297
Maximum Resolution	1920 x 1440 @ 64 Hz
Recommended Resolution	1600 x 1200 @ 75 Hz
Factory Preset Modes	8 modes 640 x 480 @ 85 Hz, 720 x 400 @ 70 Hz, 800 x 600 @ 85 Hz, 1024 x 768 @ 85 Hz, 1152 x 864 @ 70 Hz, 1280 x 1024 @ 75 Hz, 1280 x 1024 @ 85 Hz, 1600 x 1200 @ 75 Hz
Factory Preload Modes	24 modes
Video Dot Rate	250 MHz
Horizontal Scanning Frequency	30 - 97 KHz
Vertical Scanning Frequency	50 - 160 Hz
Recommended Refresh Rate	75 Hz
Screen Enhancements	Anti-glare Polarizer, Anti-Reflection, Anti-Static, High Brightness, High Contrast
LightFrame™	Yes
sRGB	Yes
GTF	Yes

Connectivity

Cables	D-sub Video Cable, Power Cord
Sync Input Impedance (ohm)	2.2 k
Video Input Impedance (ohm)	75
Video Input Signal Levels	0.7 Vpp
Video Sync Input Signal	Composite Sync, Separate Sync, Sync on Green
Video Sync Polarities	Positive and Negative
Cable Connection	AC Power in

Convenience

Convenience Enhancements	Menu Languages, On-screen Display
Monitor Controls	Brightness Control, Contrast Control, Left/Right, Menu, LightFrame Hotkey, Power On/Off, Up/Down
OSD Languages	English, French, German, Italian, Simplified Chinese, Spanish, Portuguese, Korean
Plug & Play Compatibility	DDC 2B, sRGB, Windows 98/ME/ 2000/XP
Regulatory Approvals	E2000, NUTEK, Energy Star, CE Mark, FCC-B, UL, CSA, SEMKO, TCO'03, TÜV/GS, TÜV Ergo, FDA, BSMI, GOST, C-Tick
Swivel	+/- 90°
Tilt	-5° to 25°

Accessories

Included Accessories	AC Power Cord
User Manual	Yes

Dimensions

Depth (with base)	449 mm
Height (with base)	433 mm
Width (with base)	440 mm
Temperature Range (Operation)	0°C to 35°C
Temperature Range (Storage)	-25°C to 65°C
Weight	20 kg

Power

Comply With	E2000, Energy Star, NUTEK
Consumption	70 W
Off Mode	1 W
Power LED Indicator	Off, Amber; Operation, Green
Power Supply	Built-in

Product Highlights

LightFrame™
An intelligent and revolutionary technology for enhancing monitor's brightness, sharpness, contrast, and color. Images enhanced by LightFrame™ are lively, realistic, clear, attractive and colorful.

UXGA, 1600 x 1200 resolution
For graphics monitors, the screen resolution signifies the number of dots (pixels) on the entire screen. For example, a 1600-by-1200 pixel screen is capable of displaying 1600 distinct dots on each of 1200 lines, or about 2 million pixels. This ensures a better display performance and accurate color display effect.

High-bright, high-contrast tube
A CRT tube designed to increase display brightness and contrast by increasing the CRT ray gun's beam current.

Real flat CRT display
Philips advanced flat CRT technology that minimizes glare while reducing reflection and distortion, providing display quality superior to that of conventional CRTs.

sRGB ready
Calibrated RGB that is optimized for the vast majority of computer peripherals, monitors, operating systems and browsers, allowing accurate color mapping with very little data overhead.

Platform compatibility
The ability to work with a variety of platforms; Philips monitors are compatible with PCs and workstations by employing a VGA connection and connect with Macintoshes.

OSD On-Screen-Display control
An on-screen panel for adjusting a monitor. The OSD is used for contrast, brightness, horizontal and vertical positioning and other monitor adjustments.

Easy plug and play
The ability of display device to plug in a PC and operate without requiring user intervention to adjust complicated settings.

Large viewing area
The visible portion of a monitor screen available to display data.

Lead free
Lead-free display products are designed and produced in compliance with strict European Community Restriction of Hazardous Substances (RoHS) standards that restrict lead and other toxic substances that can harm health and the environment.

Energy efficiency
Reduction of the electrical power required to operate a device to achieve real savings.

TCO compliance
A TCO (Swedish confederation of Professional Employees) standard even more stringent than MPR-II for safety and ergonomics, especially concerning alternating electric fields (AEF).

Energy Star Partner
Power conservation requirements set forth by the Environmental Protection Agency of the U.S. government.

Flame retardant case
A system of limiting accidental fires by engineering flame retardants into the monitor's case.

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